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L9 ANSWER 1 OF 1 HCA COPYRIGHT 2002 ACS

ACCESSION NUMBER: 125:330609 HCA

TITLE: Compositions containing (meth)acryloyl- and allyl ether-containing polyether-urethane resins for lining materials and molded products thereof

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SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08231655	A2	19960910	JP 1995-40520	19950228

AB The compns. contain (A) (meth)acryloyl- and allyl ether-contg. polyether-urethane-acrylates, in which allyl ether group concns. (Ca) are 0.1-1.0 mmol/g, (meth)acryloyl group concns. (Cm) are 0.2-2.0 mmol/g, and Cm/Ca = 1.2-10, and (B) polymerizable unsatd. monomers. Treatment of 350 parts polypropylene glycol with 174 parts TDI, treatment of the resulting product with 53 parts Neoallyl P-30 (pentaerythritol triallyl ether) and 105 parts 2-hydroxyethyl methacrylate and mixing the product with 286 parts styrene, hydroquinone, and tert-butylcatechol gave a urethane-acrylate resin compn. (Ca 0.9 mmol/g, Cm = 1.2 mmol/g), 100 parts of which was mixed with 0.4 part Co octenate and 0.1 part paraffin wax to give a resin showing good surface dryness after curing on a glass plate by using MEK peroxide at 25.degree. for 5 h. Then, the cured products were further cured at 25.degree. for 24 h to give test pieces showing water resistance at ambient temp. and storage stability at 45.degree. for .gtoreq.30 days and tensile strength 152 kg/cm2 and elongation 90% 6 mo after curing.